

WHAT IS CLAIMED IS:

1. An image forming system constructed by  
a plurality of device connected, comprising:

a first device having at least a read function to  
read an original document image, a setting function to  
set a processing condition with respect to image data  
thus read, and a transmission function to process and  
transmit the original document image read under the  
processing condition set by the setting function; and

10           a second device connected to the first device  
and having a change setting function to change the  
processing condition set by the setting function of the  
first device, of the original document image received  
from the first device, upon receipt of the original  
document image transmitted from the first device, and  
15           an image output function to perform processing on the  
original document image under the processing condition  
changed by the change setting function, thereby to  
output an image.

20           2. The system according to claim 1, wherein the  
processing condition is density information, original  
document type information such as a photographic  
original document, a text original document, or the  
like, image attribute information such as adjustment  
25           value information for correcting gamma, and the like.

3. The system according to claim 1, wherein  
each of the first and second devices has a read

function, a setting function, a transmission function,  
a receive function, a change setting function, and an  
image output function, and further has a specification  
function to specify one of the first and second devices  
5 as a master, and the other one as a slave, and  
if one of the first and second devices is  
specified as a master, the read function, setting  
function, and transmission function are assigned to  
the device specified as the master, and the receive  
10 function, change setting function, and image output  
function are assigned to the other one of the first and  
second devices.

4. An image read system in which a plurality of  
first devices having at least a read function to read  
15 at least a original document image, and a second device  
having at least a setting function to set a read  
condition are connected through a communication  
channel, wherein

each of the first devices has a read function to  
20 read the original document, based on the read condition  
supplied from the second device, and

the second device has setting means for setting  
a read condition for the read function of each of the  
first devices, and an interface for outputting the read  
25 condition set by the setting means to each of  
corresponding one or ones of the first devices.

5. The system according to claim 4, wherein the

first devices each have the setting function or the second device has the read function.

6. The system according to claim 4, wherein  
the read condition is density information, original  
5 document type information such as a photographic  
original document, a text original document, or the  
like, image attribute information such as adjustment  
value information for correcting gamma, and the like.

7. The system according to claim 4, wherein  
10 each of the first and second devices has the setting  
function and the read function, and

a master is specified by any one of the first and  
second devices, thereby to specify other device as  
slaves.

8. The system according to claim 4, wherein  
each of the first and second devices has the setting  
15 function and the read function,

a master is specified by any one of the first and  
second devices, thereby to specify other devices as  
20 slaves, and

individual read conditions are respectively set  
with respect to the devices specified as the slaves, by  
the setting function of the device specified as the  
master, and the read conditions set by the device  
25 specified as the master are displayed in form of a list  
in the devices specified as the slaves.

9. The system according to claim 4, wherein the

read condition is density information, original document type information such as a photographic original document, a text original document, or the like, image attribute information such as adjustment value information for correcting gamma, and the like.

10. An image read system in which a plurality of first devices having at least a read function to read at least a original document image, a second device having at least a setting function to set a read condition, and a third device having at least an image forming function to form an image based on image data, on a medium where an image is to be formed, are connected through a communication channel, wherein

15 each of the first devices is comprised of a scanner for reading the original document image, based on the read condition supplied from the second device, and a first interface for outputting the image data read by the scanner to the third device, together with an image forming condition of the image data supplied from the second device, to the third device,

20 the second device is comprised of setting means for setting a read condition for the read function of each of the first devices, and individual image forming conditions for image data, respectively corresponding to the first devices, and a second interface for outputting the read condition set by the setting means to each of corresponding one or ones of the first

devices, and

the third device has an image forming device for  
forming an image based on image data supplied from  
the first devices, on an image forming medium where  
5 an image to be formed, based on the image forming  
condition supplied together with the image data.

11. The system according to claim 10, wherein each  
of the first devices has at least one of the setting  
function and the image forming function, the second  
10 device has at least one of the setting function and  
the image forming function, and the third device has  
at least one of the setting function and the read  
function.

15 12. The system according to claim 10, wherein  
the read condition is density information, original  
document type information such as a photographic  
original document, a text original document, or the  
like, image attribute information such as adjustment  
value information for correcting gamma, and the like.

20 13. The system according to claim 10, wherein each  
of the image forming condition is a condition which  
specifies image formation on one surface of the image  
forming medium, image formation on both surfaces of the  
image forming medium, rotation of image data, reversal  
25 of image data, and image forming style expressing  
descending or ascending order of a plurality of pages  
of image data.

14. The system according to claim 10, wherein each of the image forming conditions specifies the type of the image forming medium.

5       15. The system according to claim 14, wherein a condition specifying a type of the image forming medium is output medium information such as a thick paper, color-dedicated paper, normal paper, OHP, or the like.

10      16. The system according to claim 10, wherein each of the first and second devices has the setting function and the read function, and a master is specified by the setting function of any one of the first and second devices, and other devices are thereby specified as slave devices.

15      17. The system according to claim 10, wherein each of the first and second devices has the setting function and the read function, a master is specified by any one of the first and second devices, thereby to specify other devices as slaves, and

20      read conditions and image forming conditions are set with respect to the devices specified as the slaves, by the setting function of the device specified as the master, and the read conditions and image forming conditions set by the device specified as the master are displayed in form of a list in the devices specified as the slaves.

25      18. The system according to claim 17, wherein

the read condition is density information, original document type information such as a photographic original document, a text original document, or the like, image attribute information such as adjustment value information for correcting gamma, and the like.

19. The system according to claim 17, wherein each of the image forming condition is a condition which specifies image formation on one surface of the image forming medium, image formation on both surfaces of the image forming medium, rotation of image data, reversal of image data, and image forming style expressing descending or ascending order of a plurality of pages of image data.

20. The system according to claim 17, wherein each of the image forming conditions specifies the type of the image forming medium.

21. The system according to claim 17, wherein a condition specifying a type of the image forming medium is output medium information such as a thick paper, color-dedicated paper, normal paper, OHP, or the like.

22. The system according to claim 17, having change means for changing the read conditions and the image forming conditions displayed in form of the list.